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(54) **Process for making alkaline earth metal borated sulfonates**

(57) An improved process for preparing an alkaline earth metal borated sulfonate comprising reacting a mixture of the following materials(A) (1) at least one of an oil soluble sulfonic acid or alkaline earth sulfonate salt or mixtures thereof (2) at least one source of an alkaline earth metal; and (3) at least one source of boron, in the presence of a mixture of comprising (4) at least one hydrocarbon solvent; and (5) at least one low molecular weight alcohol; and (6) from 0 to less than 10 mole percent, relative to the source of boron, of an overbasing acid, other than the source of boron; and (B) heating the reaction product of (A) to a temperature above the distillation temperatures of (4) and (5) to distill (4), (5) and water of reaction, wherein no additional water is added in the process.

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EUROPEAN SEARCH REPORT

Application Number
EP 06 25 5570

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 2 987 476 A (JAMES HARTLEY ET AL) 6 June 1961 (1961-06-06) * column 1, line 12 - line 26 * * column 1, line 48 - column 2, line 53 * * column 3, line 22 - line 29 * * column 3, line 49 - line 55 * * column 4, line 73 - column 5, line 75 * * column 9, line 13 - line 18 * * column 9, line 43 - line 60 * * column 10, line 11 - line 21 * * column 10, line 71 - column 11, line 3 * * page 11, line 30 - line 41 * * example VIII * -----	1-13	INV. C08F8/36 C10M135/10 C10M159/24 C10M177/00 ADD. C10N10/04 C10N30/04 C10N30/06 C10N30/12 C10N60/14 C10N70/00
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TECHNICAL FIELDS SEARCHED (IPC)

C10M

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
Munich	17 September 2010	Keipert, Olaf

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
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A : technological background
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82